Schematic Isopach Map of Basin-Fill Deposits, Cedar Valley, Utah County, Utah

by Hugh A. Hurlow

SPECIAL STUDY 109
THE GEOLOGY OF CEDAR VALLEY, UTAH COUNTY, UTAH, AND ITS RELATION TO GROUND-WATER CONDITIONS
PLATE 4
2004

Explanation

500 — Contour showing thickness of basin-fill deposits, in feet; variable intervals

Wells

41 — Well used to constrain thickness of unconsolidated deposits - see table C.1; number corresponds to ID in table C.1

OW1 — Petroleum exploration well - plugged and abandoned (table C.2)

Faults

Normal - dashed where inferred or approximately located, dotted where concealed; ball and bar on downthrown side

Thrust - teeth on upper plate

Strike-slip or oblique-slip - arrows show relative sense of horizontal displacement

Displacement sense uncertain; dashed where inferred or approximately located

Folds

Anticline, showing plunge direction

Syncline, showing plunge direction

A — A' Cross section - 1:100,000, true-scale (plate 2)

E — E' Cross section - 1:24,000, 10x vertical exaggeration, showing basin fill (plate 3)

Geologic Units

Basin fill and other surficial deposits

Tertiary sedimentary and volcanic rocks

Paleozoic and late Proterozoic sedimentary rocks

Surface drainage divide

Contact

N

1:100,000

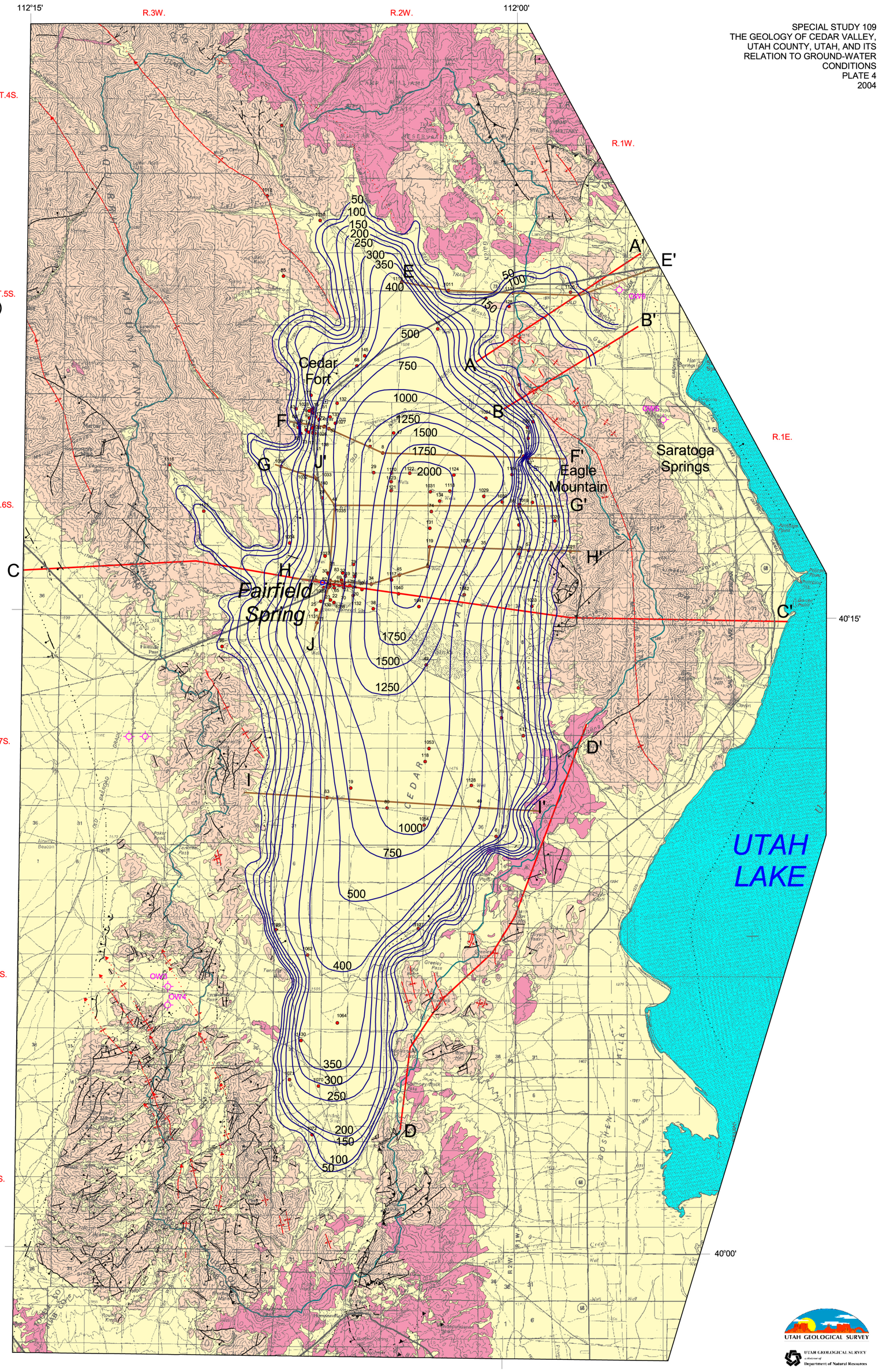
Contour Interval = 50 Meters

5 0 5 mi

5 0 5 Km

GIS and Cartography by Matt Butler

Base map from U.S. Geological Survey
Rush Valley, Provo, Lynndyl, and Nephi
30 x 60 minute quadrangles
Projection: UTM Zone 12
Units: Meters
Datum: 1927 North American
Spheroid: Clarke 1866



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